CHEMISTRY
QUIZ: Reaction Types (B)

Name _____
Period _____ Date _____

Identify the type of reaction for each equation below.

1. _____ $FeCl_2\ (aq) + K_2S\ (aq) \rightarrow FeS\ (s) + 2KCl\ (aq)$
2. _____ $2Li\ (s) + PbCl_2\ (aq) \rightarrow 2LiCl\ (aq) + Pb\ (s)$
3. _____ $AlCl_3\ (l) \rightarrow Al\ (l) + Cl_2\ (g)$
4. _____ $Sr\ (s) + Cl_2\ (g) \rightarrow SrCl_2\ (s)$
5. _____ $C_6H_{12}O_6\ (s) + 6O_2\ (g) \rightarrow 6CO_2\ (g) + 6H_2O\ (g)$
6. _____ $(NH_4)_2CO_3(aq) + Pb(NO_3)_2\ (aq) \rightarrow PbCO_3\ (s) + NH_4NO_3\ (aq)$

Predict the products of these reactions. If no reaction would occur, write NR for the product

7. $RaCl_2\ (aq) + (NH_4)_2\ SO_4\ (aq) \rightarrow$ _____
8. $Cu\ (s) + Hg(NO_3)_2\ (aq) \rightarrow$ _____

_____

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1. _____ $2C_{18}H_{38}\ (g) + 55O_2\ (g) \rightarrow 36CO_2\ (g) + 38H_2O\ (g)$
2. _____ $ZnCl_2\ (aq) + Ca\ (s) \rightarrow CaCl_2\ (aq) + Zn\ (s)$
3. _____ $(NH_4)_3\ PO_4\ (aq) + AlBr_3\ (aq) \rightarrow 3NH_4Br\ (aq) + AlPO_4(aq)$
4. _____ $BeO\ (s) + H_2\ O(l) \rightarrow Be(OH)_2\ (l)$
5. _____ $C_{12}H_{22}O_{11}\ (s) \rightarrow 12C\ (s) + 11H_2\ O\ (g)$
6. _____ $Ti\ (s) + N_2\ (g) \rightarrow Ti_3N_4(s)$

Predict the products of these reactions. If no reaction would occur, write NR for the product

7. $Na_2\ SO_4\ (aq) + Cr\ (s) \rightarrow$ _____
8. $MgS\ (aq) + Na_2\ SO_3\ (aq) \rightarrow$ _____